

Corrosion Modeling Software and Corrosion Prediction
Software Series

HBr-Compass®: HBr Corrosion Modeling and Prediction

High-Value Software Solutions to Costly Corrosion

Version 9.23

★ **Performance** ★ **Functionality** ★ **Usability**



Anytime Anywhere Any Device Any OS
No USB dongles No installation No Browser Plug-ins

Contact Us for Licensing Details

Why WebCorr | Performance Guarantee | Unparalleled Functionality | Unmatched Usability | Any Device Any OS | Free Training & Support | CorrCompass

Overview of HBr-Compass

HBr-Compass is the only device and OS independent predictive software on the market for the modeling and prediction of corrosion by aqueous hydrobromic acid (HBr). Designers, engineers, consultants, maintenance and inspection personnel can quickly assess and quantify the impact of process variables on the corrosion rate and the remaining life of piping, vessels, and other equipment handling aqueous hydrobromic acid.

Figures below demonstrate the operation of HBr-Compass. With HBr-Compass, corrosion prediction and materials selection for HBr acid services are as easy as 1-2-3.

- (1) Select the material from the dropdown list,
- (2) Enter the temperature and the concentration of hydrobromic acid
- (3) Review the prediction results

HBr-Compass predicts the boiling point of the hydrobromic acid (HBr), the corrosion rate of the selected alloy at the specified temperature and concentration, and the remaining life of the

component. In addition to that, HBr-Compass also plots the isocorrosion diagram for the selected alloy so as to give users a complete picture of the corrosion behavior of the selected alloy across the entire ranges of the HBr acid concentration and the service temperature.

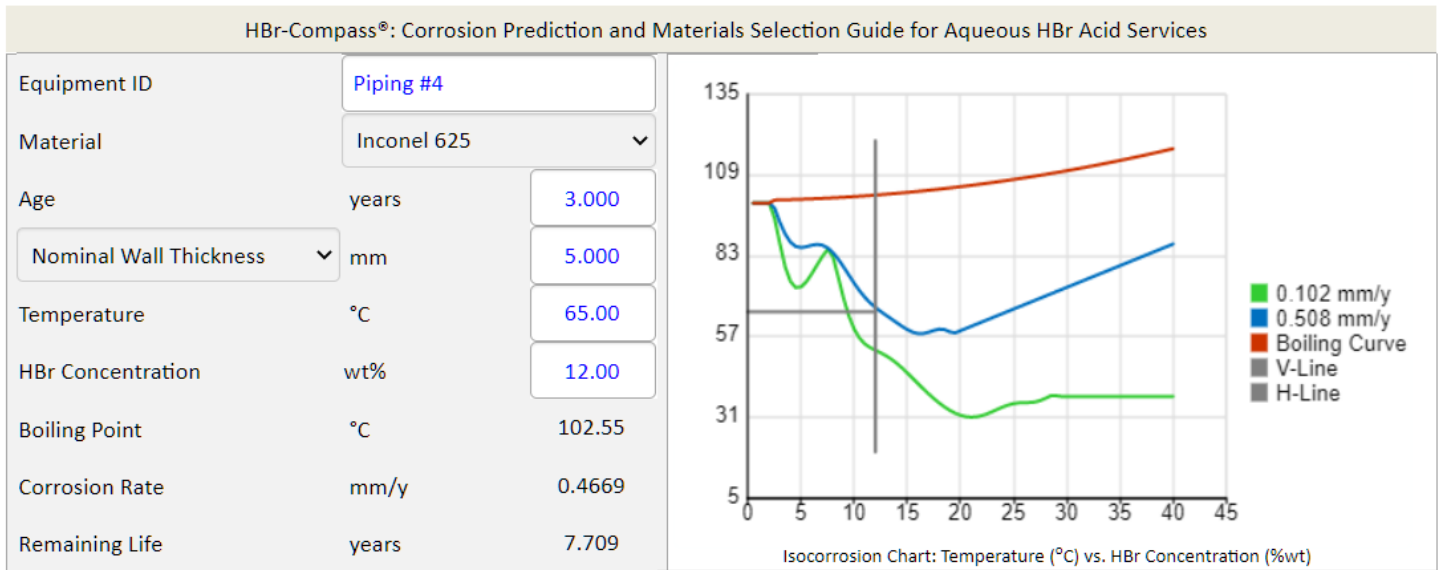


Figure 1 HBr-Compass Predicts the corrosion rate of alloys in hydrobromic acid services

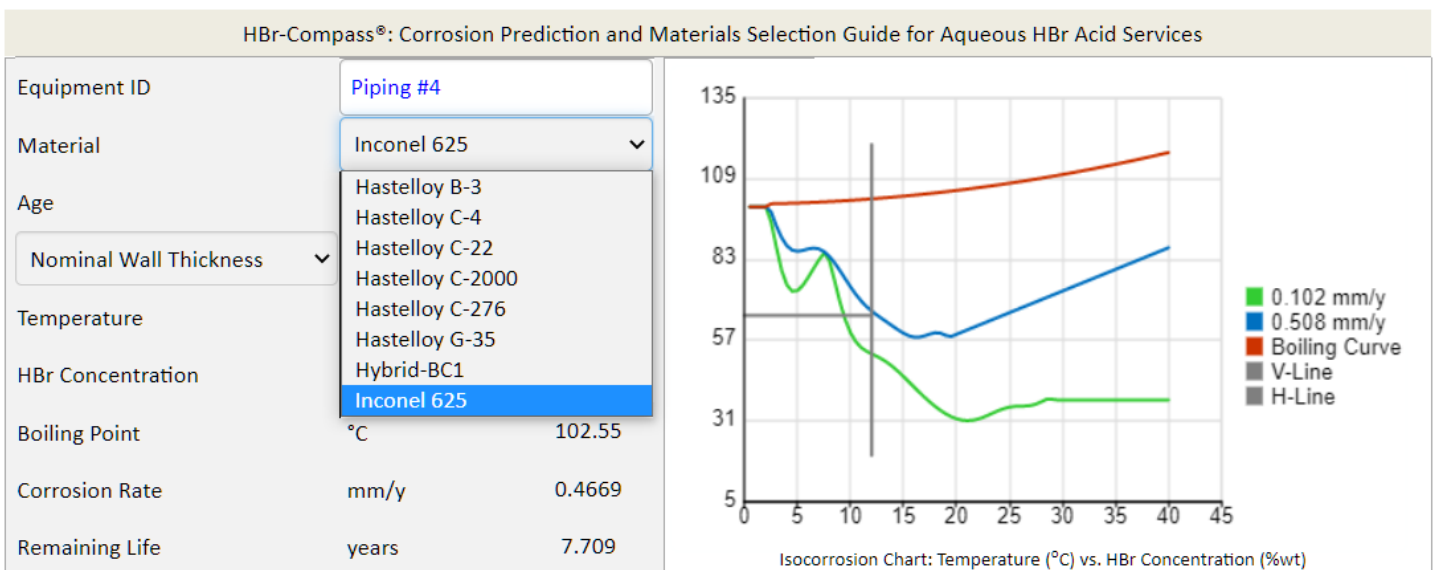


Figure 2 HBr-Compass is a cost-effective software tool for materials selection for hydrobromic acid services

HBr-Compass predicts corrosion rates for the following alloys in aqueous hydrobromic acid at any temperatures and concentrations:

- Hastelloy B-3
- Hastelloy C-4
- Hastelloy C-22
- Hastelloy C-2000
- Hastelloy C-276
- Hastelloy G-35
- Hybrid-BC1
- Inconel 625

More alloys will be added to the software database as and when corrosion data are available. If you cannot find the alloy of your interest in HBr-Compass software, do let us know and we will conduct the necessary research work to have your alloys included in the software.

The powerful applications of HBr-Compass are truly unlimited in engineering design, corrosion life prediction, and materials selection for hydrobromic acid services.

[Click here to contact us for licensing details and experience the power of HBr-Compass.](#)

HBr-Compass, giving you the right directions in HBr corrosion prediction and materials selection.

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